ABSTRACT

A current compensation circuit for use with a current mirror is disclosed. The current mirror circuit has a current path defined by a first current mirror stage driving a second current mirror stage, the second current mirror stage is coupled to a supply voltage source. The current compensation circuit comprises an impedance divider coupled to the supply voltage and an output node. The impedance divider operates to generate a compensation signal at the node representative of voltage changes in the supply voltage source. The compensation circuit further includes a gain stage having an input coupled to the output node and a current output connected to the current path. The gain stage operates to generate a compensation current for application to the current path in response to the compensation signal.